

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6614864".pn. and (shift)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:26
L2	0	"6614864".pn. and (shift near right)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:03
L3	0	"6614864".pn. and (shift near left)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:03
L4	0	"6614864".pn. and (right-shft)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:03
L5	1	"5987489".pn. and (add\$4 or subtract\$3)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:32
L6	1	"5987489".pn. and (shift near register)	US-PGPUB; USPAT	OR	ON	2007/06/12 10:49
L7	1	"6614864".pn.	US-PGPUB; USPAT	OR	ON	2007/06/12 10:49
L8	0	"6614864".pn. and (shift near rigister)	US-PGPUB; USPAT	OR	ON	2007/06/12 11:00
L9	1	"6614864".pn. and (shift near register)	US-PGPUB; USPAT	OR	ON	2007/06/12 11:38
L10	1	"6101621".pn.	US-PGPUB; USPAT	OR	ON	2007/06/12 11:39
S1	5	"647308".ap.	US-PGPUB; USPAT	OR	ON	2006/10/23 09:08
S2	17	"MIYAUCHI, SHIGENORI"	US-PGPUB; USPAT	OR	ON	2006/10/23 09:09
S3	48	"MIYAUCHI, SHIGENORI" "YAMAGUCHI, ATSUO"	US-PGPUB; USPAT	OR	ON	2006/10/23 09:09
S4	3	S3 and (encryp\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:19
S5	41	renesas and (encryp\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:17
S6	0	renesas and (encryp\$3 near circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:17
S7	0	renesas and (encryp\$3 near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:20
S8	0	S3 and (encryp\$3 near circuit\$2)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:19
S9	3	S3 and (encryption near circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:19
S10	3	S3 and (encryp\$4 near circuit\$2)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:19
S11	6	renesas and (encryp\$4 near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:22

## EAST Search History

S12	4	(5161193 5631960 6157955 6870929).pn.	US-PGPUB; USPAT	OR	ON	2006/10/23 09:22
S13	4	S12 and (encrypt\$4)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:23
S14	1	S12 and (encrypt\$4 near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:23
S15	2	S12 and (encrypt\$4 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:30
S16	2	S12 and (encrypt\$4 near3 circuit\$3) and (pipelin\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:30
S17	1	S12 and (encrypt\$4 near3 circuit\$3) and (pipelin\$3) and (carry\$5)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:31
S18	0	S12 and (encrypt\$4 near3 circuit\$3) and (pipelin\$3) and (carry\$5) and (shift\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:31
S19	1	S12 and (encrypt\$4 near3 circuit\$3) and (pipelin\$3) and (carry\$5)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:48
S20	910	@ad<"20021024" and (encrypt\$4 near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:48
S21	508	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (register)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:49
S22	510	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:49
S23	300	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:50
S24	56	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$3) and (pipelin\$3 or carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2006/10/23 17:09
S25	116	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$3) and (pipelin\$3 or carry-in or carry-out or propagat\$4)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:51
S26	191	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$3) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:51
S27	179	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:03

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S28	173	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:56
S29	137	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 09:57
S30	112	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (add\$6 near4 circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:36
S31	4	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (add\$6 near subtract\$3 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:37
S32	5	@ad<"20031024" and (encrypt\$4 near circuit\$3) and (add\$6 near subtract\$3 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:48
S33	0	@ad<"20031024" and (encrypt\$4 near circuit\$3) and (additon adj subtraction adj circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$9 or left-shift\$9 or shift-in or shift-out) and (pipelin\$3 or carry-in or carry-out or propagat\$4 or carry) and (select\$3) and (control\$3 near3 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:49

## EAST Search History

S34	0	@ad<"20031024" and (encrypt\$4 near circuit\$3) and (additon adj subtraction adj circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:49
S35	0	@ad<"20031024" and (additon near subtraction near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:49
S36	0	@ad<"20031024" and (additon near2 subtraction near2 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:49
S37	822	@ad<"20031024" and (addition near2 subtraction near2 circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:50
S38	436	@ad<"20031024" and (addition near subtraction near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 13:50
S39	352	@ad<"20031024" and (addition adj subtraction adj circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 17:08
S40	5	@ad<"20031024" and (addition adj subtraction adj circuit\$3) and (register) and (encrypt\$3 near circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:23
S41	1	"20040081317"	US-PGPUB; USPAT	OR	ON	2006/10/23 14:23
S42	1	"20040081317" and (shift\$6)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:24
S43	1	"20040081317" and (clock)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:25
S44	1	"5987489".pn.	US-PGPUB; USPAT	OR	ON	2006/10/23 15:37
S45	1	"5987489".pn. and (shift\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:25
S46	1	"5987489".pn. and (shift\$9 and clock)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:25
S47	1	"5987489".pn. and (encryption)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:27
S48	1	"5987489".pn. and (control)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:45
S49	1	"5987489".pn. and (shift\$9 and carry\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:50
S50	0	"5987489".pn. and (shift\$9 same carry\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:46
S51	1	"5987489".pn. and (addition adj subtraction adj circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:50
S52	378	(addition adj subtraction adj circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:50
S53	321	@ad<"20021224" and (addition adj subtraction adj circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:52

## EAST Search History

S54	4	@ad<"20021224" and (addition adj subtraction adj circuit) and (encryption near circuit)	US-PGPUB; USPAT	OR	ON	2006/10/23 14:52
S55	1	@ad<"20021224" and (addition adj subtraction adj circuit) and (encryption near circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 14:53
S56	2	@ad<"20031224" and (addition adj subtraction adj circuit) and (encryption near circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 14:54
S57	2	@ad<"20041224" and (addition adj subtraction adj circuit) and (encryption near circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 14:58
S58	65	@ad<"20021224" and (addition near subtraction) and (encryption near circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 14:55
S59	264	@ad<"20021224" and (addition adj subtraction adj circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 14:59
S60	232	@pd<"20021224" and (addition adj subtraction adj circuit)	US-PGPUB; USPAT	OR	OFF	2006/10/23 15:02
S61	3	@pd<"20021224" and (addition adj subtraction adj circuit) and (encrypt\$3)	US-PGPUB; USPAT	OR	OFF	2006/10/23 15:02
S62	4	@pd<"20021224" and (addition adj subtraction adj circuit) and (encrypt\$3 or crypto\$9)	US-PGPUB; USPAT	OR	OFF	2006/10/23 15:03
S63	43	@pd<"20021224" and (addition adj subtraction adj circuit) and (encrypt\$3 or crypto\$9 or encod\$3)	US-PGPUB; USPAT	OR	OFF	2006/10/23 15:03
S64	43	@pd<"20021224" and (addition adj subtraction adj circuit) and (encod\$3)	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:32
S65	1	"5987489".pn. and (shift\$9 and register and circuit and carry\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:06
S66	2	"5987489".pn. or "4352162".pn.	US-PGPUB; USPAT	OR	ON	2006/10/23 16:06
S67	0	S66 and (devid\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:06
S68	1	S66 and (divid\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:10
S69	2	S66 and (clock and carry\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:18
S70	1	S66 and (significant near bit)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:26
S71	0	S66 and (left\$9)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:26

## EAST Search History

S72	0	S66 and (left)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:27
S73	1	S66 and (right)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:26
S74	2	S66 and (select\$4)	US-PGPUB; USPAT	OR	ON	2006/10/23 16:27
S75	1568954	@pd<"20021224" and (addition adj subtraction adj circuit) and (encod\$3) and (left near shift) or (left\$9)	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:33
S76	731	@pd<"20021224" and (addition adj subtraction adj circuit) and (left near "shift") or (left-shift)	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:33
S77	9	@pd<"20021224" and (addition adj subtraction adj circuit) and ((left near "shift") or (left-shift))	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:33
S78	9	@ad<"20021224" and (addition adj subtraction adj circuit) and ((left near "shift") or (left-shift))	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:34
S79	1	"6101621".pn.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:02
S80	1	"20040081317"	US-PGPUB; USPAT	OR	ON	2006/10/23 17:02
S81	338	@ad<"20021024" and (addition adj subtraction adj circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/23 17:08
S82	56	@ad<"20021024" and (encrypt\$4 near circuit\$3) and (regist\$3) and (shift\$3 or right-shift\$3) and (pipelin\$3 or carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2006/10/23 17:09
S83	3125911	S82 and 713/1.ccls.c	US-PGPUB; USPAT	OR	ON	2006/10/23 17:09
S84	3125911	S82 and 713/1.ccls.c	US-PGPUB; USPAT	OR	ON	2006/10/23 17:09
S85	0	S82 and 713/1.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:09
S86	0	S82 and 713/2.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S87	0	S82 and 713/188.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S88	0	S82 and 713/194.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S89	0	S82 and 380/200.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S90	0	S82 and 380/201.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10

## EAST Search History

S91	1	S82 and 380/255.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S92	0	S82 and 380/277.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/23 17:10
S93	0	S82 and 726/2.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/24 09:21
S94	4	"647528".ap.	US-PGPUB; USPAT	OR	ON	2006/10/24 10:19
S95	1	"20040111647"	US-PGPUB; USPAT	OR	ON	2006/10/24 10:19
S96	1	"20040111647" and (image near display near member)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:19
S97	1	"20040081317"	US-PGPUB; USPAT	OR	ON	2007/06/11 10:04
S98	1058	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3) near circuit\$3)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:03
S99	16	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3) near circuit\$3) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:05
S10 0	213	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition or subtraction)) near circuit\$3) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:05
S10 1	26	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition near subtraction)) near circuit\$3) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:06
S10 2	39	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition near subtraction)) near (circuit\$3 or device)) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:06
S10 3	39	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition near subtraction)) near (circuit\$3 or device or engine)) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:06
S10 4	53	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition near subtraction)) near (circuit\$3 or device or engine or processor)) and (carry-in or carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 14:59
S10 5	21	@ad<"20021024" and ((encrypt\$4 or cryptograph\$3 or (addition near subtraction)) near (circuit\$3 or device or engine or processor)) and (carry-in and carry-out)	US-PGPUB; USPAT	OR	ON	2007/06/11 11:07

## EAST Search History

S10 6	68207	@ad<"20021024" and (shift near (circuit\$3 or register))	US-PGPUB; USPAT	OR	ON	2007/06/11 14:59
S10 7	114	@ad<"20021024" and (shift near (circuit\$3 or register)) same (right-shift)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:01
S10 8	14	@ad<"20021024" and (shift near (circuit\$3 or register))same (right-shift) same (multiple or plurality or array)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:03
S10 9	10408	@ad<"20021024" and (shift near (circuit\$3 or register))near5 (multiple or plurality or array)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:03
S11 0	8455	@ad<"20021024" and (shift near (circuit\$3 or register))near3 (multiple or plurality or array)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:03
S11 1	107	@ad<"20021024" and (shift near (circuit\$3 or register))near3 (multiple or plurality or array) same (right-shift or (right near shift))	US-PGPUB; USPAT	OR	ON	2007/06/11 15:06
S11 2	40	@ad<"20021024" and (shift near (circuit\$3 or register))near3 (multiple or plurality or array) same (right-shift or (right near shift)) same (input and output)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:09
S11 3	28872	@ad<"20021024" and (output near5 (shift near (register or circuit\$3)))	US-PGPUB; USPAT	OR	ON	2007/06/11 15:10
S11 4	13461	@ad<"20021024" and (output near5 (shift near (register or circuit\$3))) same (input near5 (shift near (register or circuit\$3)))	US-PGPUB; USPAT	OR	ON	2007/06/11 15:11
S11 5	11375	@ad<"20021024" and (output near5 (shift near (register or circuit\$3))) near5 input	US-PGPUB; USPAT	OR	ON	2007/06/11 15:11
S11 6	9919	@ad<"20021024" and ((output near5 (shift near (register or circuit\$3))) near5 input) and (plurality or multiple)	US-PGPUB; USPAT	OR	ON	2007/06/11 15:12
S11 7	1952	@ad<"20021024" and ((output near5 (shift near (register or circuit\$3))) near5 input) same (plurality or multiple)	US-PGPUB; USPAT	OR	ON	2007/06/11 16:10
S11 8	1	"5987489".pn.	US-PGPUB; USPAT	OR	ON	2007/06/11 16:39
S11 9	1	"5987489".pn. and (shift near register)	US-PGPUB; USPAT	OR	ON	2007/06/11 16:39